

STANDARD FORM NO. 64

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TO : The Files

DATE: 16 May 1956

FROM :

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SUBJECT: Trip and Progress Report, Contract RD-91-SA, Marine Crystal Video.

1. On 11 May the writer visited the to determine the status of the Marine Crystal Video Program. Those contacted with the

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2. It was determined that progress is quite satisfactory and that most of the electronic circuits have been finalized. A complete unit for a band was in operation, which consisted of four complete channels with all pre-amps, pulse stretchers, and other associated circuits. The test set-up included a transmitting horn which was fed by a signal generator, transmitting into four receiving antennas located at quadrant points around the feed horn. It was noted that as the transmitting antenna was rotated the asmuth display followed this rotation quite accurately.

3. One of the problems which had been recently presented by SPD is of the crystal video type receiver. The has made this necessary. had been apprised of this situation some time previous and had spent a certain amount of time investigating this particular problem. They have evolved several methods which appear to offer considerable promise for the

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4. The subject of spare parts was brought up. submitted a list which they believe adequate for most needs.

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5. At an earlier meeting had indicated the possibility that they might issue an interim engineering report. It is noted that no technical progress reports are called for under the terms of this contract, but only that a final engineering report be issued. Philco indicated that they have not had sufficient time to issue this interim report, but in its stead would furnish the latest copies of all schematic diagrams. These were obtained by the writer and are now on file in the Project file.

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